

AMENDMENTS TO THE SPECIFICATION

Please delete the paragraph beginning "Figure 13" on line 17, page 6.

Please amend the paragraph beginning on line 19, page 6 as follows:

Figure 13 ~~[[14]]~~ is a schematic side cross-section of an eye demonstrating the different depth of the plane of the cornea compared to the depth of the plane of the intraocular lens plane and concentric ring pattern projection, d_1 to d_6 , and sagittal (S) depth measurement for determining of corneal topography;

Please amend the paragraph beginning on line 19, page 6 as follows:

Figure 14 ~~[[15]]~~ is a schematic depiction of light rays and curved surfaces for wavefront aberration calculation;

Please amend the paragraph beginning on line 24, page 6 as follows:

Figure ¹⁵~~16~~ is a schematic depiction of geometry for calculating the radius of the wavefront error reference sphere for calculating the difference of optical path length (OPL) of light passing through a point on the surface of the cornea to the Gaussian focal point, by which the component of refraction due to corneal topography may be calculated and then extracted (as by subtraction) from refraction measurements of the total eye;

Please amend the paragraph beginning on line 4, page 7 as follows:

¹⁶ ¹⁶
~~Figure 17A—D is~~ Figures 17A-17D are an example of a set of aberration refraction maps for an eye with vertical coma in the lens with a "with-the-rule" corneal astigmatism, showing component contributions to the total aberration refraction;

Please amend the paragraph beginning on line 8, page 7 as follows:

¹⁷ ¹⁷
~~Figure 18A—D is~~ Figures 18A-18D are an example of a set of aberration refraction maps for an eye with horizontal coma in the lens with a spherical cornea, showing component contributions to the total aberration refraction; and

Please amend the paragraph beginning on line 12, page 7 as follows:

¹⁸ ¹⁸
~~Figure 19A—D is~~ Figures 19A-19D are an example of a set of aberration refraction maps for an eye with asymmetric astigmatism that causes high order corneal aberrations, showing component contributions to the total aberration refraction.

Please amend the paragraph beginning on line 26, page 35 as follows:

For better understanding of the invention, reference is made to Fig[[s]]. 13 showing an ~~standard~~ anatomical model[[s]] of a human eye ~~with standard or model dimensions indicated~~. It will be understood that the anterior plane or surface of the cornea ~~corneal~~ (Corneal Plane) and the anterior plane or